

Title (en)

METHOD FOR THE PREPARATION OF AMINOPHOSPHINE LIGANDS AND THEIR USE IN METAL CATALYSTS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON AMINOPHOSPHINLIGANDEN UND IHRE VERWENDUNG IN METALLKATALYSATOREN

Title (fr)

PROCÉDÉ D'OBTENTION DE LIGANDS DE TYPE AMINOPHOSPHINE ET LEUR UTILISATION COMME CATALYSEURS MÉTALLIQUES

Publication

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Application

EP 08757212 A 20080609

Priority

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- US 94269907 P 20070608
- CA 2591126 A 20070608

Abstract (en)

[origin: WO2008148202A1] The present application is directed to i) a two-step method for synthesizing phosphme-ammophosphme (P,N,P) ligands, ii) the use of such ligands in the preparation of metal complexes as hydrogenation catalysts, and iii) ammophosphme (P,N) and phosphme-ammophosphme (P,N,P) ligands of various structures. In particular, the two-step method in i) involves reacting a protected tertiary amine of formula (I) with a metal phosphide of the formula Y-PR₈R₉ to afford an ammophosphme of formula (II), which is then reacted with a phosphme of formula (III) to afford the phosphme-ammophosphme of formula (IV).

IPC 8 full level

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Citation (search report)

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- See references of WO 2008148202A1

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